## **PCT**

## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:
C12N 15/54, 9/12, C07K 16/40, C12Q
1/48, 1/68, A61K 38/45 // A61P 35/00,
37/00

A2 (11) IIII

(11) International Publication Number:

WO 00/50607

(43) International Publication Date:

31 August 2000 (31.08.00)

(21) International Application Number:

PCT/IB00/00324

(22) International Filing Date:

24 February 2000 (24.02.00)

(30) Priority Data:

60/121,483

24 February 1999 (24.02.99)

) US

(71)(72) Applicant and Inventor: SAUS, Juan [ES/ES]; Calle Conde de Altea 8-7a, E-46005 Valencia (ES).

(74) Agent: GRUND, Martin; Dr. Volker Vossius, Holbeinstrasse 5, D-81679 München (DE).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

## Published

Without international search report and to be republished upon receipt of that report.

(54) Title: GOODPASTURE ANTIGEN BINDING PROTEIN

(57) Abstract

The present invention provides isolated nucleic acid sequences and expression vectors encoding the Goodpasture antigen binding protein (GPBP), substantially purified GPBP, antibodies against GPBP, and methods for detecting GPBP.